

Claims

1. Method of measuring a down-web coordinate by relating a time-interval elapsed since a detection of a position-indicating mark applied on a web, to a measured velocity, characterised in that, upon detection of a position-indicating mark, the measured down-web coordinate is synchronised with the indicated down-web coordinate of said mark.

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2. Method according to claim 1, wherein, the down-web coordinate is measured in an ascending or a descending mode, depending on a detected roll-orientation information originated from said mark on said web.

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3. Method according to claim 2, wherein a selected lane pattern used for registration of the cross web position is reversed automatically, depending on said roll-orientation information, originated from said mark on said web.

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4. Method according to any of the preceding claims, wherein a measured down-web starting position of a quality problem area is marked on the web by an ISO-hole.

5. Method for indicating a quality problem area on a web, characterized in that a down-web starting position of the quality problem area is marked on the web by an ISO-hole.

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6. System for tracking quality problem areas at continuous-web products, comprising:

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- one or more detection systems for detecting down-web coordinates on a web from a plurality of position-indicating marks applied on said web;
- one or more product-inspection-systems provided with length-measuring circuitry synchronised with said detected down-web coordinates;
- a system for data-processing of quality problem areas at least storing the measured down-web coordinates of the respective quality problem areas;

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– a punch control system for ISO-hole punching provided with length-measuring circuitry synchronised with said detected down-web coordinates.

7. System according to claim 6, wherein the detection systems are suited for detecting a position-indication provided by digitised information contained in said mark.

8. System according to claim 7, wherein the detection systems are suited for detecting information about the roll-orientation provided by digitised information contained in said mark.

9. System for tracking the position of quality problem areas according to 10 any of the preceding claims 6 -8, wherein said inspection-system makes use of a web length-counter that is synchronised by loading the web length-counter with the relative down web coordinate information, originated from said mark on said web.

10. System according to claim 9, wherein said inspection-system's web 15 length-counter is automatically set into an ascending or descending counting mode, depending on said roll-orientation information, originated from said mark on said web.

11. System according to claim 9 or 10, wherein said inspection-system's web length-counter switches automatically from individual counting-mode into 20 synchronised counting-mode after being triggered via acknowledgement of said mark on said web.

12. System for tracking the position of quality problem areas according to any of the preceding claims 6 - 11, wherein said punch control system for ISO-hole punching makes use of a web length-counter that is synchronised by 25 loading the web length-counter with the relative down web position information, originated from said mark on said web.

13. System according to claim 12, wherein said punch control system's web length-counter is automatically set into an ascending or descending counting mode, depending on said roll-orientation information, originated from said mark on said web.

5 14. System according to claim 12 or 13, wherein said punch control system's web length-counter switches automatically from individual counting-mode into synchronised counting-mode after being triggered via acknowledgement of said mark on said web.

10 15. Photographic paper for application in a system according any of the preceding claims 6 - 14, comprising a photographic base, enclosed by a water repellent coating, on the front side of which base a photosensitive material is applied, and further comprising a plurality of position-indicating marks, characterized in that the plurality of position-indicating marks is applied directly on the photographic base.

15 16. Photographic paper according to claim 15, wherein the position-indication of a mark is provided by digitised information contained in said mark.

20 17. Photographic paper according to claim 15 or 16, wherein the roll-orientation of a mark is provided by digitised information contained in said mark.

18. Photographic paper according to claim 15 - 17, wherein said marks are not visible for the human eye.

19. Photographic paper according to claim 15 - 18, wherein said marks are applied to the back of the photographic base.

25 20. Photographic paper according to claim 15 - 19, wherein said marks are applied at regular intervals.

21. Photographic paper according to claim 15 - 20, wherein said marks are spaced at a distance ranging from 10 cm to 20 m.
22. Photographic paper according to claim 15 - 21, wherein said marks are applied by pinstamp techniques, moulding.
- 5 23. Photographic paper according to claim 15 - 21, wherein said marks are applied by laser engraving.
24. Photographic paper according to claim 23, wherein said mark is applied by ink jet printing.